

MODELS: Stinson SR-7A, -7B, -7C

T.C. NUMBER: ATC 594

I - SPECIFICATIONS PERTINENT TO ALL MODELS

Placard speeds	Level flight or climb - 177 mph True Ind. Glide or dive - 200 mph True Ind. Flaps extended - 122 mph True Ind.
Oil capacity	4-1/2 gallons
No. passengers	3
C.G. limits	Landplane (+19) and (+27) Seaplane (+19.5) and (+26.5)
Specification basis	Approved Type Certificate No. 594
Serial numbers	9650 and up manufactured prior to 9/30/39 eligible. Approval expired as of that date.

EQUIPMENT: (Datum is leading edge of wing outboard curved portion) (\* Means net increase)

Class I:

Landplane:	
101. Engine ring cowl	26 lbs.
102. Deleted (See Item 315)	
103. Battery (aft rear baggage compartment)	38 lbs.
104. Starter (direct electric)	20 lbs.
105. Heater	3 lbs.
106. 7.50-10 wheels (Goodyear 10 HBM) with	

- 8.50-10 4-ply tires (wheels must be placarded for these tires)  
 107. 10.5 inch streamline tail wheel (Goodyear)

Seaplane: (Includes Items 101, 103, 104 and 105 PLUS)  
 151. Edo 39-4000 float installation including water rudders 540 lbs.  
 152. Auxiliary seaplane fin under fuselage

Class II:

200. Miscellaneous items as noted in approved weight and balance report.  
 201. (a) RCA compass 64 lbs.  
 (b) Radio (RCA AVT-7A; power unit 15 lbs. on instrument board transmitter 11 lbs. at rear wall of cabin, antenna and controls 30 lbs.  
 202. Three 1-1/2 minute flares 17 lbs. (+89)  
 203. Propellers  
 (a) Hamilton Standard, hub 2B20, blades 6109A-9 (SR-7B)  
 (b) Lycoming - Smith hub P-220, Curtiss blades 320SO or Lycoming blades SO20080-6 or SO22080-6 (SR-7B and SR-7C)  
 204. Medicine cabinet 4 lbs.  
 205. Auxiliary door on right side (fuselage structure revised)  
 206. Ambulance litter and installation  
 207. Metal lined cabin  
 208. (a) 82 gallon fuel capacity - 2 tanks in wing at 41 gallons each (+34): 5 lbs. net increase over 70 gallon capacity  
 20 lbs. net increase over 50 gallon  
 (b) 70 gallon fuel capacity (2 tanks in wings) (SR-7A 16 lbs.\* (+34)

Class III:

301. Special instruments maximum 42 lbs. (including artificial horizon 9 lbs. and directional gyro 8 lbs. (-5)  
 302. Fire extinguisher (Lux) 23 lbs. (+9)  
 303. Fire extinguisher (Pyrene) 15 lbs. (+18)  
 304. Puncture proof chassis inner tube 6 lbs. (+3)  
 305. Landing light (Grimes) 14 lbs. (+14)  
 306. Generator (15 amp.) 24 lbs. (-32)  
 307. Generator (25 amp.) 30 lbs. (-32)  
 308. Camera hole in cabin floor 4 lbs. (+35)  
 309. Radio receiver (RCA) 23 lbs. (+79)  
 310. Bonding 4 lbs. (+80)  
 311. Shielding 9 lbs. (-43)  
 312. Fog light 3 lbs. (0)  
 313. Parachute pilot's chair 18 lbs.\* (+19)  
 314. T-type antenna 3 lbs. (+80)  
 315. Wheel streamlines (formerly Item 102) 24 lbs.

NOTE 1. These models are identical with the exception of engine and propeller installation and pertinent weights.

NOTE 2. Eligible for export as follows subject to inspection for equipment specified in Chapter XII of Inspection Handbook (6/14/38):

- (a) Canada  
 - Landplane - When Item 205 is installed.  
 - Skiplane - Not eligible. However, structure complies with Canadian requirements for ski installation when special landing gear is installed.  
 - Seaplane - 3850 lbs. standard weight.  
 (b) All other countries except Australia.

NOTE 3. The following placard must be displayed in full view of the pilot on serial numbers 9650 thru 9676:  
 "ALWAYS CHECK FUEL FLOW AT STRAINER DRAIN BEFORE TAKE-OFF. NEVER FLY ON ONE TANK WHEN FUEL IS LOW."

II - MODEL SR-7A, DESIGNATION 4 PCLM

Engine	Lycoming R-680-B4 or R-680-4
Placard limits	Maximum, except take-off -- in.Hg., 2100 rpm (225 hp) Take-off (one minute)

	-- in.Hg., 2100 rpm (225 hp)
Propeller	Hamilton Standard hub 5404, blades 5B1-6
Baggage	50 lbs. (in compartment aft of cabin)
Fuel capacity	50 gallons (2 tanks in wings at 25 gallons each)
	31 lbs. (+34)
Standard weight	3350 lbs.

### III - MODEL SR-7B, DESIGNATION 4 PCL-SM

Engine	Lycoming R-680-B6 or R-680-6
Placard limits	Maximum, except take-off
	-- in.Hg., 2100 rpm (225 hp)
	Take-off (one minute)
	-- in.Hg., 2300 rpm (245 hp)
Propeller	Lycoming-Smith hub P-220 and Curtiss blades B-300-SO (See Item 203)
Baggage	100 lbs. (25 lbs. under rear seats and 75 lbs. in compartment aft of cabin)
Fuel capacity	70 gallons (2 tanks in wings at 35 gallons each)
	46 lbs. (+34)
Standard weight	3600 lbs. (landplane) 3850 lbs. (seaplane)

### IV - MODEL SR-7C, DESIGNATION 4 PCL-SM

Engine	Lycoming R-680-B5 or R-680-5
Placard limits	Maximum, except take-off
	-- in.Hg., 2000 rpm (240 hp)
	Take-off (one minute)
	-- in.Hg., 2300 rpm (260 hp)
Propeller	Hamilton Standard hub 2B20, blades 6101A-9 (See Item 203)
Baggage	75 lbs. (25 lbs. under rear seats and 50 lbs. in compartment aft of cabin)
Fuel capacity	70 gallons (2 tanks in wings at 35 gallons each)
Standard weight	3600 lbs. (landplane) 3850 lbs. (seaplane)